



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/693,853      | 10/23/2003  | Steven M. Arnold     | LEW 17,510-1        | 3668             |

26311 7590 10/13/2006

NASA GLENN RESEARCH CENTER  
21000 BROOKPARK ROAD  
OFFICE OF CHIEF COUNSEL; MAIL STOP 500-118  
CLEVELAND, OH 44135

|          |
|----------|
| EXAMINER |
|----------|

NGUYEN, XUAN LAN T

|          |              |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
|----------|--------------|

3683

DATE MAILED: 10/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

| APPLICATION NO./<br>CONTROL NO. | FILING DATE | FIRST NAMED INVENTOR /<br>PATENT IN REEXAMINATION | ATTORNEY DOCKET NO. |
|---------------------------------|-------------|---|---------------------|
|---------------------------------|-------------|---|---------------------|

10/693853

10/23/03

ARNOLD, STEVEN

LEW 17,510-1

EXAMINER

NGUYEN, XUAN LAN

| ART UNIT | PAPER |
|----------|-------|
|----------|-------|

3683

20061003

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

The Reply Brief dated 9/12/06 has been entered and forwarded to the Board of Patent Appeals and Interferences.

*Lan Nguyen* 10/3/06

Lan Nguyen  
Primary Examiner  
Art Unit: 3683